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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/821,649	
	Filing Date	April 8, 2004	
	First Named Inventor	Alping H. Young	
	Art Unit	1626	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission	30	Attorney Docket Number	0018.0024.cip

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): response to notice to file missing parts copy of notice to file missing parts executed Declaration preliminary amendment copy of petition under 37CFR 1.53(e)
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Houston Eliseeva LLP		
Signature	<i>Maria M. Eliseeva</i>		
Printed name	Maria M. Eliseeva		
Date	October 20, 2004	Reg. No.	43,328

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FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 938.00

Complete if Known

Application Number 10/821,649
Filing Date April 8, 2004
First Named Inventor Aiping H. Young
Examiner Name Not Yet Assigned
Art Unit 1626
Attorney Docket No. 0018.0024.cdp

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

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Houston Eliseeva LLP

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FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 790	2001 395	Utility filing fee	395.00
1002 350	2002 175	Design filing fee	
1003 550	2003 275	Plant filing fee	
1004 790	2004 395	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$ 395.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims 32 -20** = 12 x 8 = 108
Independent Claims 8 -3** = 5 x 44 = 220
Multiple Dependent 150 = 150

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 88	2201 44	Independent claims in excess of 3
1203 300	2203 150	Multiple dependent claim, if not paid
1204 88	2204 44	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 478.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	65.00
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 430	2252 215	Extension for reply within second month	
1253 980	2253 490	Extension for reply within third month	
1254 1,530	2254 765	Extension for reply within fourth month	
1255 2,080	2255 1,040	Extension for reply within fifth month	
1401 340	2401 170	Notice of Appeal	
1402 340	2402 170	Filing a brief in support of an appeal	
1403 300	2403 150	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,370	2501 685	Utility issue fee (or reissue)	
1502 490	2502 245	Design issue fee	
1503 660	2503 330	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1808 180	1808 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 790	2809 395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 790	2810 395	For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 65.00

SUBMITTED BY

Name (Print/Type) Maria M. Eliseeva Registration No. 43,328 Telephone 781-863-9991
Signature [Signature] Date October 20, 2004

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PTO/SB/21 (09-04)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/821,849
	Filing Date	April 8, 2004
	First Named Inventor	Alping H. Young
	Art Unit	1628
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	0018.0024.cip
Total Number of Pages in This Submission		9

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input checked="" type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD.	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): copy of return receipt postcard stamped by PTO copy of pg. 29 of specification copy of notice to file missing parts
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Houston Eliseeva LLP		
Signature	<i>Maria Eliseeva</i>		
Printed name	Maria M. Eliseeva		
Date	10-20-04	Reg. No.	43,328

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Typed or printed name	Deborah Celeste
Date	October 20, 2004

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FEE TRANSMITTAL
for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ 130.00)**Complete if Known**

Application Number	10/821,649
Filing Date	April 8, 2004
First Named Inventor	Alping H. Young
Examiner Name	Not Yet Assigned
Art Unit	1628
Attorney Docket No.	0018.0024.cip

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:

Deposit Account Number	502233
Deposit Account Name	Houston Eliseeva LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) or any underpayment of fee(s)
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.
FEE CALCULATION**1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 780	2001 395	Utility filing fee	
1002 350	2002 175	Design filing fee	
1003 550	2003 275	Plant filing fee	
1004 790	2004 395	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$)**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 88	2201 44	Independent claims in excess of 3	
1203 300	2203 150	Multiple dependent claim, if not paid	
1204 88	2204 44	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 430	2252 215	Extension for reply within second month	
1253 980	2253 490	Extension for reply within third month	
1254 1,530	2254 765	Extension for reply within fourth month	
1255 2,080	2255 1,040	Extension for reply within fifth month	
1401 340	2401 170	Notice of Appeal	
1402 340	2402 170	Filing a brief in support of an appeal	
1403 300	2403 150	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,370	2501 685	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 660	2503 330	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	130.00
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 790	2809 395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 790	2810 395	For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 130.00)**SUBMITTED BY**

Name (Print/Type)	Maria M. Eliseeva	Registration No. (Attorney/Agent)	43,328	Telephone	781-863-9991
Signature	<i>Maria Eliseeva</i>	Date	October 20, 2004		

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Patent Application Transmittal

Date: April 8, 2004

Attorney Docket No: 0018.0024cip

Atty/sec: MME/dlc

Inventors: *A. Young*Title: *Biological Response
Modifiers for the ...*This is to acknowledge receipt of NEW X CONTINUATION-IN-PART APPLICATION
as follows:

- ☒ Utility Patent Application Transmittal ☐ Fee Transmittal (w/copy)
☒ 28 Sheets of ☒ Formal ☐ Informal Drawings (Figs.)
☐ Credit Card Form PTO-2038 w/copy ☐ includes Assignment recordal fee
☒ Application Data Sheet (2 pages)
☒ Specification - Total pages 48 including 8 pages of claims and 1 abstract
☐ Executed Declaration/Power of Attorney Total pages:
☐ Assignment/Recordation cover sheet
☐ Other:
☐ Authorization to Charge all Fees ☐ includes Assignment recordal fee
☐ Information Disclosure Statement w/1449
☒ Continuation-in-Part of Application No. 10/416,259 17510 U.S. PTO
☐ Claims benefit of U.S. Provisional Application No. 10/821649

EXPRESS MAIL NO:

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040004

All animal experimentation was performed following the National Institutes of Health (USA), Sunnybrook and Women College Health Science Center and Lorus Therapeutics Inc. Animal Care and Use guidelines.

Evaluation of antitumor activity

Tumor volume was estimated by caliper measurements, using the formula: length \times width \times height / 2⁶. The efficacy of drug treatment was evaluated based on the following calculations: (1) tumor growth inhibition (T/C), calculated as a percentage of the mean tumor volume of drug-treated (T) versus control (C) groups: $T/C (\%) = (\text{mean tumor volume of drug-treated group} / \text{mean tumor volume of control}) \times 100$; the optimal value, being the minimal T/C ratio which reflects the maximal tumor growth inhibition achieved⁷; (2) tumor growth delay (T-C), defined as the difference in time for drug-treated (T) and control (C) tumors to reach a given volume (300 mm³); and (3) The final tumor weight (T.W.), determined by the mass of tumor tissue surgically excised from the animal on the last day of the experiment. The percentage of inhibition (%) = (mean tumor weight of controls - mean tumor weight of drug-treated group) / mean tumor weight of controls \times 100. Statistical analyses, of the differences in tumor weight between treatment groups, were carried out by the Biostatistical Consulting Unit of the Department of Community Health Sciences at the University of Manitoba (Winnipeg, Canada). A *p* value of ≤ 0.05 was considered to be statistically significant.

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